Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	07/05/2022 09:07 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	06/07/2022 10:19 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	10398	Expiration Date:	01/31/2023
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124631	-1	1.32	124557	1.30
Blue	F	SSC	125000	124338	-1	2.51	125015	2.49
Blue	E	FITC	15860	15452	-3	2.02	377	13.58
Blue	D	PE	27718	27548	-1	1.49	640	10.33
Blue	B	PerCP-Cy5-5	38046	37507	-2	2.78	1024	14.60
Blue	A	PE-Cy7	26092	25980	-1	4.67	512	30.24
Red	C	APC	49104	48476	-2	2.63	1708	11.31
Red	A	APC-Cy7	28201	27535	-3	2.94	725	12.44
Violet	B	V450	9904	9495	-5	3.30	527	11.32
Violet	A	V500	39004	37434	-5	2.96	975	8.80

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	23755	2.87	579	10	N/A	N/A	Pass
Blue	F	SSC	55737	1.30	520	-8	N/A	N/A	Pass
Blue	E	FITC	59	54.24	489	-2	0.0475	102	Pass
Blue	D	PE	125	39.20	495	-1	0.4474	376	Pass
Blue	B	PerCP-Cy5-5	141	43.87	587	-2	0.0206	73	Pass
Blue	A	PE-Cy7	66	90.25	630	-2	0.0219	0	Pass
Red	C	APC	331	26.71	579	-2	0.0288	202	Pass
Red	A	APC-Cy7	97	42.62	552	-3	0.0060	1062	Pass
Violet	B	V450	85	49.42	467	9	0.0629	2420	Pass
Violet	A	V500	122	34.40	478	9	0.0254	1567	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.64 - 71.46	N/A	N/A	-31.83	-31.53	0.98
Blue	20.35	16.28 - 24.42	1.30	1.03 - 1.55	0.00	0.00	1.44
Red	14.79	13.90 - 20.86	N/A	N/A	29.84	30.22	1.22

Window Extension: 7.00
FSC Area Scaling Factor: 0.92

Threshold

Threshold (FSC): 9770

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.70
Spec.: 3.80 - 4.00

Comments